

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/470,997B  
Source: 1600  
Date Processed by STIC: 4/26/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 09/470,997B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length     The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4      Non-ASCII     The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
- 5   J   Variable Length     Sequence(s)   9-17 (maybe more)   contain   amino acid   representing more than one residue. **Per Sequence Rules, each A.A. can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)                     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)      missing. If intentional, please insert the following lines for **each** skipped sequence:  
                    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                    (i)     SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                    (xi)  SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                    This sequence is intentionally skipped  
                    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)      missing. If **intentional**, please insert the following lines for **each** skipped sequence.  
                    <210> sequence id number  
                    <400> sequence id number  
                    000
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                    Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.  
                    In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10      Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
- 11      Use of <220>     Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
- 12      PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n/Xaa     "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

## RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/09/470,997B

TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

3 <110> APPLICANT: Proteus Molecular Design Limited  
 4 James, Glover F  
 5 Rushton, Arthur  
 6 Morgan, Phillip J  
 7 Young, Stephen C  
 9 <120> TITLE OF INVENTION: Angiotensin Derivatives  
 11 <130> FILE REFERENCE: GLOV3002/REF  
 13 <140> CURRENT APPLICATION NUMBER: US 09/470,997B  
 14 <141> CURRENT FILING DATE: 1999-12-23  
 16 <150> PRIOR APPLICATION NUMBER: PCT/GB98/01833  
 17 <151> PRIOR FILING DATE: 1998-06-23  
 19 <160> NUMBER OF SEQ ID NOS: 31  
 21 <170> SOFTWARE: PatentIn version 3.2  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 10  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Unknown  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: mammalian peptide hormone angiotensin I  
 31 <400> SEQUENCE: 1  
 33 Asp Arg Val Tyr Ile His Pro Phe His Leu  
 34 1 5 10  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 8  
 39 <212> TYPE: PRT  
 40 <213> ORGANISM: Unknown  
 42 <220> FEATURE:  
 43 <223> OTHER INFORMATION: mammalian peptide hormone angiotensin II  
 45 <400> SEQUENCE: 2  
 47 Asp Arg Val Tyr Ile His Pro Phe  
 48 1 5  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 12  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Unknown  
 56 <220> FEATURE:  
 57 <223> OTHER INFORMATION: Angiotensin I derivative  
 59 <400> SEQUENCE: 3  
 61 Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys  
 62 1 5 10  
 65 <210> SEQ ID NO: 4  
 66 <211> LENGTH: 10  
 67 <212> TYPE: PRT

pp 3-5  
 Does Not Comply  
 Corrected Diskette Needed

## RAW SEQUENCE LISTING

DATE: 04/26/2006

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Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

68 <213> ORGANISM: Unknown  
70 <220> FEATURE:  
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80 <211> LENGTH: 11  
81 <212> TYPE: PRT  
82 <213> ORGANISM: Unknown  
84 <220> FEATURE:  
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87 <400> SEQUENCE: 5  
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90 1 5 10  
93 <210> SEQ ID NO: 6  
94 <211> LENGTH: 11  
95 <212> TYPE: PRT  
96 <213> ORGANISM: Unknown  
98 <220> FEATURE:  
99 <223> OTHER INFORMATION: Angiotensin I derivative  
101 <400> SEQUENCE: 6  
103 Asp Arg Val Tyr Ile His Pro Phe His Leu Tyr  
104 1 5 10  
107 <210> SEQ ID NO: 7  
108 <211> LENGTH: 11  
109 <212> TYPE: PRT  
110 <213> ORGANISM: Unknown  
112 <220> FEATURE:  
113 <223> OTHER INFORMATION: Angiotensin I derivative  
115 <400> SEQUENCE: 7  
117 Tyr Asp Arg Val Tyr Ile His Pro Phe His Leu  
118 1 5 10  
121 <210> SEQ ID NO: 8  
122 <211> LENGTH: 11  
123 <212> TYPE: PRT  
124 <213> ORGANISM: Unknown  
126 <220> FEATURE:  
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132 1 5 10  
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137 <212> TYPE: PRT  
138 <213> ORGANISM: Unknown  
140 <220> FEATURE:  
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144 <220> FEATURE:

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Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

*Gly* can only  
represent a  
single amino  
acid

Variable  
length not  
permitted.  
see item

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145 <221> NAME/KEY: MISC_FEATURE
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147 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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161 <223> OTHER INFORMATION: Angiotensin II derivative
164 <220> FEATURE:
165 <221> NAME/KEY: MISC_FEATURE
166 <222> LOCATION: (9)..(9)
167 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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177 <212> TYPE: PRT
178 <213> ORGANISM: Unknown
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184 <220> FEATURE:
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186 <222> LOCATION: (2)..(2)
187 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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192 1 5 10
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207 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
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216 <211> LENGTH: 23
217 <212> TYPE: PRT
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## RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/09/470,997B

TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

220 <220> FEATURE:  
221 <223> OTHER INFORMATION: Angiotensin derivative  
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225 <221> NAME/KEY: MISC\_FEATURE  
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232 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
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240 Tyr Ile His Pro Phe His Leu  
241 20  
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246 <212> TYPE: PRT  
247 <213> ORGANISM: Unknown  
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253 <220> FEATURE:  
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256 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
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260 <222> LOCATION: (13)..(13)  
261 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
263 <400> SEQUENCE: 14  
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266 1 5 10 15  
269 Tyr Ile His Pro Phe  
270 20  
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274 <211> LENGTH: 23  
275 <212> TYPE: PRT  
276 <213> ORGANISM: Unknown  
278 <220> FEATURE:  
279 <223> OTHER INFORMATION: Angiotensin derivative  
282 <220> FEATURE:  
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284 <222> LOCATION: (11)..(11)  
285 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
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288 <221> NAME/KEY: MISC\_FEATURE  
289 <222> LOCATION: (13)..(13)  
290 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
292 <400> SEQUENCE: 15

## RAW SEQUENCE LISTING

DATE: 04/26/2006

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TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

294 Leu His Phe Pro His Ile Tyr Val Arg Asp Gly Cys Gly Asp Arg Val  
295 1 5 10 15  
298 Tyr Ile His Pro Phe His Leu  
299 20  
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304 <212> TYPE: PRT  
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313 <222> LOCATION: (11)..(11)  
314 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
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319 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
321 <400> SEQUENCE: 16  
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324 1 5 10 15  
327 Tyr Ile His Pro Phe  
328 20  
331 <210> SEQ ID NO: 17  
332 <211> LENGTH: 21  
333 <212> TYPE: PRT  
334 <213> ORGANISM: Unknown  
336 <220> FEATURE:  
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342 <222> LOCATION: (9)..(9)  
343 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
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347 <222> LOCATION: (11)..(11)  
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353 1 5 10 15  
356 His Pro Phe His Leu  
357 20  
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362 <212> TYPE: PRT  
363 <213> ORGANISM: Unknown  
365 <220> FEATURE:  
366 <223> OTHER INFORMATION: Angiotensin derivative  
369 <220> FEATURE:

Please  
correct  
this error  
in subsequent  
sequences

**VERIFICATION SUMMARY**

DATE: 04/26/2006

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Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

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